



## Complete Summary

---

### TITLE

Chronic wound care: percentage of patients aged 18 years and older with a diagnosis of venous ulcer who received education regarding the need for long term compression therapy including interval replacement of compression stockings within the 12 month reporting period.

### SOURCE(S)

American Society for Plastic Surgeons (ASPS), Physician Consortium for Performance Improvement®, National Committee for Quality Assurance (NCQA). Chronic wound care physician performance measurement set. Chicago (IL): American Medical Association (AMA); 2008 Aug. 35 p. [19 references]

## Measure Domain

### PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

### SECONDARY MEASURE DOMAIN

Does not apply to this measure

## Brief Abstract

### DESCRIPTION

This measure is used to assess the percentage of patients aged 18 years and older with a diagnosis of venous ulcer who received education regarding the need for long term compression therapy including interval replacement of compression stockings within the 12 month reporting period.

### RATIONALE

Venous ulcers often recur, especially in patients who are not compliant with compression therapy, with rates as high as 70%. "Numerous investigators have found that compliance is dependent on patient access to compression stockings and appropriate education." As a result, long term maintenance including the

continued appropriate use of compression therapy must be addressed through patient education.

The following clinical recommendation statements are quoted verbatim from the referenced clinical guidelines and represent the evidence base for the measure:

Part of any prevention program must be patient education. This education should include the patient's individual skin care program, moisturizers, soaps and protective measures. The patient should be educated about the long term nature of this medical condition and the signs and symptoms of recurrence. There are many therapeutic modalities that have been shown to reduce the recurrence of lower extremity wounds includ[ing] graduated compression stockings (GCS) for patients with venous hypertension or at risk for venous insufficiency disease. (American Society of Plastic Surgeons [ASPS], 2007)

Patients with healed or surgically repaired venous ulcers should use compression stockings constantly and forever. (Wound Healing Society [WHS], 2006)

Compression stockings or other compression devices must be worn for the prevention of venous edema and venous leg ulcer recurrence. It is recommended that patients understand that compression therapy is needed for the rest of their lives [including the need to] apply compression stockings upon first rising in the morning, replace stockings regularly—about every 3 months—to provide optimal compression, have someone correctly measure stockings, which should include ankle circumference, length of leg from foot to knee, and midcalf circumference. These measurements should be done in the morning before edema occurs. Knee-length stockings are generally recommended. (Wound, Ostomy, and Continence Nurses Society [WOCN], 2005)

Compression, elevation, ambulation post healing [are recommended] to prevent recurrence. (Association for the Advancement of Wound Care [AAWC], 2005)

## **PRIMARY CLINICAL COMPONENT**

Chronic wound care; venous ulcer; patient education; long term compression therapy; interval replacement of compression stockings

## **DENOMINATOR DESCRIPTION**

All patients aged 18 years and older with a diagnosis of venous ulcer

**Note:** Refer to the original measure documentation for administrative codes.

## **NUMERATOR DESCRIPTION**

Patients who received education regarding the need for long term compression therapy including interval replacement of compression stockings within the 12 month reporting period

**Note:** Refer to the original measure documentation for administrative codes.

## **Evidence Supporting the Measure**

## **EVIDENCE SUPPORTING THE CRITERION OF QUALITY**

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

- One or more research studies published in a National Library of Medicine (NLM) indexed, peer-reviewed journal

#### **NATIONAL GUIDELINE CLEARINGHOUSE LINK**

- [Guideline for management of wounds in patients with lower-extremity venous disease.](#)
- [Chronic wounds of the lower extremity.](#)

### **Evidence Supporting Need for the Measure**

#### **NEED FOR THE MEASURE**

Variation in quality for the performance measured

#### **EVIDENCE SUPPORTING NEED FOR THE MEASURE**

Robson MC, Cooper DM, Aslam R, Gould LJ, Harding KG, Margolis DJ, Ochs DE, Serena TE, Snyder RJ, Steed DL, Thomas DR, Wiersma-Bryant L. Guidelines for the treatment of venous ulcers. Wound Repair Regen 2006 Nov-Dec;14(6):649-62. [PubMed](#)

### **State of Use of the Measure**

#### **STATE OF USE**

Current routine use

#### **CURRENT USE**

Internal quality improvement

### **Application of Measure in its Current Use**

#### **CARE SETTING**

Physician Group Practices/Clinics

#### **PROFESSIONALS RESPONSIBLE FOR HEALTH CARE**

Physicians

#### **LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED**

Individual Clinicians

#### **TARGET POPULATION AGE**

Age greater than or equal to 18 years

**TARGET POPULATION GENDER**

Either male or female

**STRATIFICATION BY VULNERABLE POPULATIONS**

Unspecified

**Characteristics of the Primary Clinical Component**

**INCIDENCE/PREVALENCE**

See the "Rationale" field.

**ASSOCIATION WITH VULNERABLE POPULATIONS**

Unspecified

**BURDEN OF ILLNESS**

Unspecified

**UTILIZATION**

Unspecified

**COSTS**

Unspecified

**Institute of Medicine National Healthcare Quality Report Categories**

**IOM CARE NEED**

Getting Better  
Living with Illness

**IOM DOMAIN**

Effectiveness  
Patient-centeredness

**Data Collection for the Measure**

**CASE FINDING**

Users of care only

## **DESCRIPTION OF CASE FINDING**

All patients aged 18 years and older with a diagnosis of venous ulcer

## **DENOMINATOR SAMPLING FRAME**

Patients associated with provider

## **DENOMINATOR INCLUSIONS/EXCLUSIONS**

### **Inclusions**

All patients aged 18 years and older with a diagnosis of venous ulcer

**Note:** Refer to the original measure documentation for administrative codes.

### **Exclusions**

None

## **RELATIONSHIP OF DENOMINATOR TO NUMERATOR**

All cases in the denominator are equally eligible to appear in the numerator

## **DENOMINATOR (INDEX) EVENT**

Clinical Condition  
Encounter

## **DENOMINATOR TIME WINDOW**

Time window is a single point in time

## **NUMERATOR INCLUSIONS/EXCLUSIONS**

### **Inclusions**

Patients who received education regarding the need for long term compression therapy including interval replacement of compression stockings within the 12 month reporting period

**Note:** Refer to the original measure documentation for administrative codes.

### **Exclusions**

None

## **MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS**

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

#### **NUMERATOR TIME WINDOW**

Fixed time period

#### **DATA SOURCE**

Administrative data  
Medical record

#### **LEVEL OF DETERMINATION OF QUALITY**

Individual Case

#### **PRE-EXISTING INSTRUMENT USED**

Unspecified

### **Computation of the Measure**

#### **SCORING**

Rate

#### **INTERPRETATION OF SCORE**

Better quality is associated with a higher score

#### **ALLOWANCE FOR PATIENT FACTORS**

Unspecified

#### **STANDARD OF COMPARISON**

Internal time comparison

### **Evaluation of Measure Properties**

#### **EXTENT OF MEASURE TESTING**

Unspecified

### **Identifying Information**

#### **ORIGINAL TITLE**

Measure #5: patient education regarding long term compression therapy.

## **MEASURE COLLECTION**

[The Physician Consortium for Performance Improvement® Measurement Sets](#)

## **MEASURE SET NAME**

[Chronic Wound Care Physician Performance Measurement Set](#)

## **SUBMITTER**

American Medical Association on behalf of the American Society of Plastic Surgeons, Physician Consortium for Performance Improvement®, and National Committee for Quality Assurance

## **DEVELOPER**

American Society of Plastic Surgeons  
National Committee for Quality Assurance  
Physician Consortium for Performance Improvement®

## **FUNDING SOURCE(S)**

Unspecified

## **COMPOSITION OF THE GROUP THAT DEVELOPED THE MEASURE**

Scott Endsley, MD, MSc (*Co-Chair*); William A. Wooden, MD, FACS (*Co-Chair*); Nicholas Biasotto, DO; Kathleen Lawrence, RN, MSN, CWOCN; Sergey V. Bogdan, MD; Andrew Maurano, PA-C; Stephen K. Bubb, MD; Mark Morasch, MD; H. Gunner Deery, II, MD, FACP, FIDSA; Jessica Pedersen, MBA, OTR/L, ATP; Dirk M. Elston, MD; Michael M. Priebe, MD; Elof Eriksson, MD; Aamir Siddiqui, MD; George Fueredi, MD; Carole (Carrie) Sussman, PT, DPT; Matthew G. Garoufalis, DPM; Amy Wandel, MD, FACS; Sarah Kagan, PhD, RN

*American Society of Plastic Surgeons:* Melanie Dolak, MHA

*American Medical Association:* Joseph Gave, MPH; Karen Kmetik, PhD; Shannon Sims, MD, PhD; Samantha Tierney, MPH

*National Committee for Quality Assurance:* Phil Renner, MBA

*PCPI Consultants:* Rebecca Kresowik; Timothy Kresowik, MD

## **FINANCIAL DISCLOSURES/OTHER POTENTIAL CONFLICTS OF INTEREST**

Conflicts, if any, are disclosed in accordance with the Physician Consortium for Performance Improvement® conflict of interest policy.

**INCLUDED IN**

Ambulatory Care Quality Alliance

**ADAPTATION**

Measure was not adapted from another source.

**RELEASE DATE**

2008 Aug

**MEASURE STATUS**

This is the current release of the measure.

**SOURCE(S)**

American Society for Plastic Surgeons (ASPS), Physician Consortium for Performance Improvement®, National Committee for Quality Assurance (NCQA). Chronic wound care physician performance measurement set. Chicago (IL): American Medical Association (AMA); 2008 Aug. 35 p. [19 references]

**MEASURE AVAILABILITY**

The individual measure, "Measure #5: Patient Education Regarding Long Term Compression Therapy," is published in "Chronic Wound Care Physician Performance Measurement Set." This document and technical specifications are available in Portable Document Format (PDF) from the American Medical Association (AMA)-convened Physician Consortium for Performance Improvement® Web site: [www.physicianconsortium.org](http://www.physicianconsortium.org).

For further information, please contact AMA staff by e-mail at [cqi@ama-assn.org](mailto:cqi@ama-assn.org).

**NQMC STATUS**

This NQMC summary was completed by ECRI Institute on April 7, 2009. The information was verified by the measure developer on June 4, 2009.

**COPYRIGHT STATEMENT**

© 2008 American Medical Association and National Committee for Quality Assurance. All Rights Reserved.

CPT® Copyright 2007 American Medical Association

**Disclaimer****NQMC DISCLAIMER**



The National Quality Measures Clearinghouse™ (NQMC) does not develop, produce, approve, or endorse the measures represented on this site.

All measures summarized by NQMC and hosted on our site are produced under the auspices of medical specialty societies, relevant professional associations, public and private organizations, other government agencies, health care organizations or plans, individuals, and similar entities.

Measures represented on the NQMC Web site are submitted by measure developers, and are screened solely to determine that they meet the NQMC Inclusion Criteria which may be found at <http://www.qualitymeasures.ahrq.gov/about/inclusion.aspx>.

NQMC, AHRQ, and its contractor ECRI Institute make no warranties concerning the content or its reliability and/or validity of the quality measures and related materials represented on this site. The inclusion or hosting of measures in NQMC may not be used for advertising or commercial endorsement purposes.

Readers with questions regarding measure content are directed to contact the measure developer.

#### [Copyright/Permission Requests](#)

Date Modified: 7/27/2009

